天康集团

YBN系列耐震压力表

YBN Series Seismic-resistant Stainless Steel Pressure Gauge

产品应用 Product Application

耐震压力表主要用于冶金、电力、石油、化工、轻工、机械等工业部门的压力检测。

Seismic pressure gauges are mainly used for pressure detection in the metallurgical, electric power, petroleum, chemical, light industry, machinery and other industrial sectors.

产品原理 Product Principle

耐震压力表依靠内部充灌阻尼油和配套缓冲装置等措施，具有良好的耐震性能。适用于被测介质的压力有强烈脉冲变化或压力冲击和在生产工艺中经常突然卸荷的场合；以及环境震动较大的场所。仪表能测量气体、液体脉动压力的平均值，以克服介质强烈脉冲及环境震动对仪表带来的损害，确保读数的准确性。

Seismic pressure gauges use internal damping oil filling and buffer devices to achieve good seismic performance. They apply when the pressure of the measured medium has strong pulsating changes or shocks, frequent sudden unloading in production processes, and environments with significant vibration. The gauge can measure the average value of gas and liquid pulsating pressure. This helps overcome the damage caused by strong pulsation and vibration, ensuring the reading accuracy.

技术参数 Main Technical Specifications

型号、结构形式、量程范围及精确度等级
Model, structural form, range and accuracy class

型号 Item No.	测量范围 MPa Measurement Range	精确度等级 Accuracy Grade
YBN-60	-0.1~0、-0.1~0.06、-0.1~0.15、-0.1~0.3、 -0.1~0.5、-0.1~0.9、-0.1~1.5、-0.1~2.4、 -0.1~3.9、-0.1~5.9、0~0.6、0~1、 0~1.6、0~2.5、0~4、0~6、0~10、 0~16、0~25、0~40、0~60	1.6, 2.5, 4.0
YBN-100、YBN-100Z、YBN-100ZT YBN-150、YBN-150Z、YBN-150ZT YBN-200、YBN-250	-0.1~0、-0.1~0.06、-0.1~0.15、-0.1~0.3、 -0.1~0.5、-0.1~0.9、-0.1~1.5、-0.1~2.4、 -0.1~3.9、-0.1~5.9、0~0.6、0~1、0~1.6、 0~2.5、0~4、0~6、0~10、0~16、 0~25、0~40、0~60、0~100、0~160、 0~250、0~400、0~600、0~1000	1.0, 1.6, 2.5, 4.0

使用环境温度：5~55℃（表壳内充甘油），-40~70℃（表壳内充硅油）；
抗工作环境振动等级：V·H·4，V·H·5；
外壳防护等级：IP55、IP65、IP66；
表壳材质：304SS、316SS；
接液材质：304SS、316SS。

Operating temperature range: 5~55°C (glycerol filled case) -40-70°C (silicone oil filled case).
Vibration resistance grade: V·H·4, V·H·5.
Shell protection rating: IP55, IP65, Ip66.
Shell material: 304SS, 316SS.
Wetted material: 304SS, 316SS.

填充液指标
Fill Fluid Specifications

填充液名称 Fill Fluid Name	工作温度范围 Working Temperature Range
硅油 Silicone oil	-40~130℃
甘油 Glycerol	-5~100℃

压力表YBN- Pressure Gauge YBN-						

表盘直径 Dial Diameter

Φ60	60
Φ100	100
Φ150	150
Φ200	200
Φ250	250

安装方式 Installation Method

径向直接安装 Radial Direct Mounting	
径向带后边凸装 Radial Mounting with Flange at the Back	T
径向带前边嵌装 Radial Mounting with Flange at the Front	Q
轴向直接安装 Axial Direct Mounting	Z
轴向带后边凸装 Axial Mounting with Flange at the Back	ZT
轴向带前边嵌装 Axial Mounting with Flange at the Front	ZQ

过程连接 Process Connection

M14×1.5
M20×1.5
G1/2
1/2'NPT

精度等级 Accuracy Class

1.0，1.6，2.5

表壳填充液 Shell Fill Fluid

硅油（低粘度） Silicone oil (low viscosity)	H
硅油（高粘度） Silicone oil (high viscosity)	I
甘油 Glycerol	J

附件可选 Available Accessories

阻尼器 Damping Device	ZN
散热器 Heat Dissipater	SR
过压保护器 Overpressure Protector	OP
冷凝管 Subcooling Pipe	SP
其它 Other	文字说明 Specify in text